

PATENT ABSTRACTS OF JAPAN

(11)Publication number : 2000-127095

(43)Date of publication of application : 09.05.2000

(51)Int.Cl.

B26F 1/18

(21)Application number : 10-298346

(71)Applicant : TOPPAN PRINTING CO LTD

(22)Date of filing : 20.10.1998

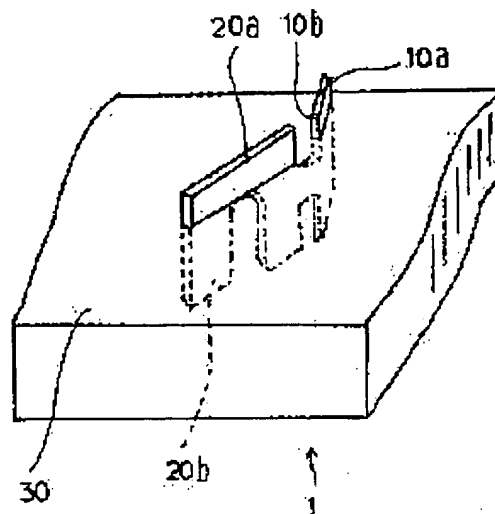
(72)Inventor : SASAKI NORIYUKI

(54) PUNCH DIE

(57)Abstract:

PROBLEM TO BE SOLVED: To provide a punch die capable of stably punching many holes without the occurrence of a horizontal rule breakage in a short horizontal rule part of a blank, a pin hole or shortage of horizontal rule formation in making a blank of a paper device especially the top of which is roof-like.

SOLUTION: In making a blank of a paper device formed by die cutting a cardboard with a punch die 1 having a steel-made cutting blade or a horizontal rule blade planted in a plywood, the punch die 1 is so constructed that the horizontal rule blade has a short horizontal rule blade 10a substantially less than 20 mm and another horizontal rule blade 20a directed to the end part 10b in different direction which are formed by the same member and connected to each other.



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[Kind of final disposal of application other than the examiner's decision of rejection or application converted registration]

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[Patent number]

[Date of registration]

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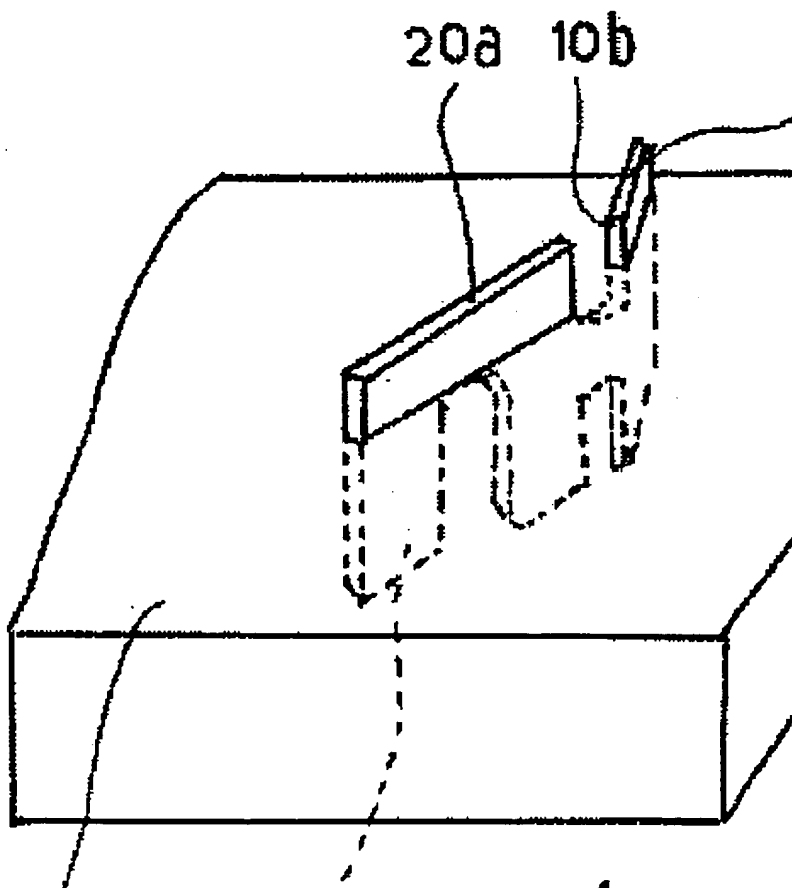
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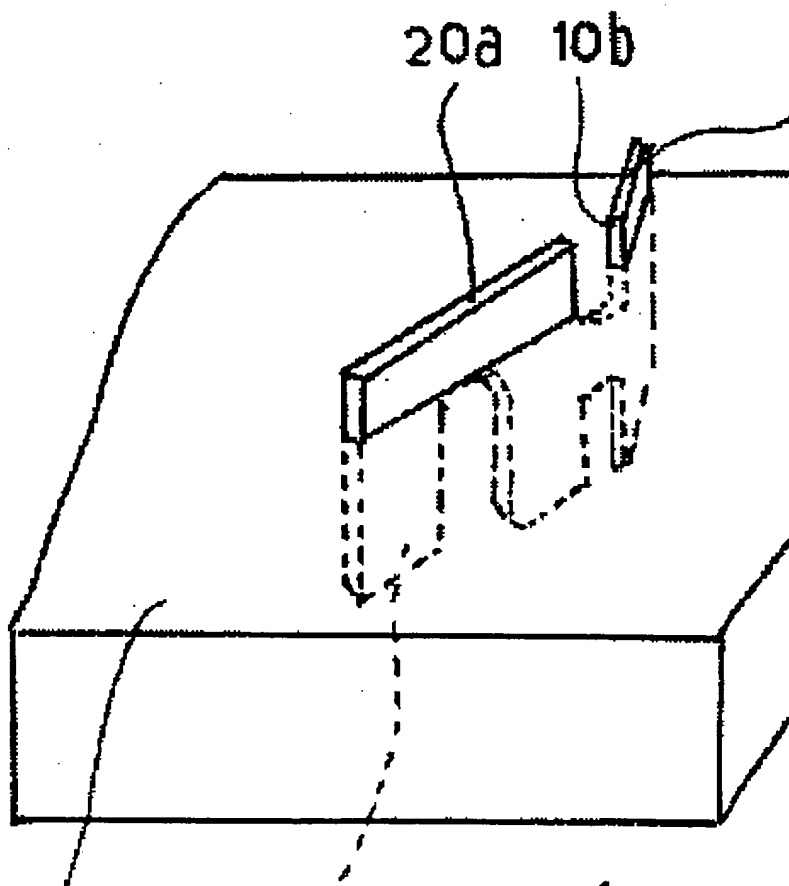
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